

## ABSTRACT

In a system which comprises a plurality of audio components 2 to 5 connected to an amplifier unit 1 and wherein an audio signal from one component selected by a selector 17 is fed to a speaker 6 for the production of sound, a control circuit 15 of the amplifier unit 1 and each of control circuits 22, 32, 43, 53 of the respective components are connected to each other by a control bus 7. The amplifier unit 1 transmits a call signal to each of the components 2 to 5 and checks whether an answer signal is received therefrom in response to the call signal. When the component failing to return the answer signal is selected by the selector 17, the unit 1 turns on a muting circuit 16. This eliminates the likelihood that the speaker will produce noise when the sound volume is increased while a nonconnected component is selected.